

WHAT IS CLAIMED IS:

1. A reflector comprising:  
a reflection substrate; and  
5 an optical diffusion layer deposited on the reflection substrate,  
wherein the reflection substrate is provided with a plurality of reflection inclined planes continuously formed on a surface thereof with a stripe geometry in plan view and  
10 a surface of each reflection inclined plane is an irregular irregular surface, and  
wherein the optical diffusion layer is made of a matrix of a transparent resin or a transparent adhesive having fine particles dispersed therein so as to flatten the reflection  
15 substrate.
2. A reflector according to Claim 1, wherein a haze of the optical diffusion layer is between 15% and 30%.
- 20 3. A reflector according to Claim 1, wherein an inclined angle  $\theta$  of the reflection inclined plane with respect to a surface of the reflection substrate is between  $0^\circ$  and  $30^\circ$ .
- 25 4. A liquid crystal display comprising:  
a liquid crystal cell which comprises substrates opposing each other and a liquid crystal layer sandwiched by the substrates therebetween, one substrate having an

electrode and an alignment layer formed on the internal surface in that order from the one substrate while the other substrate having an electrode and an alignment layer formed on the internal surface in that order from the other

5 substrate;

a front light arrange adjacently to the external surface of the other substrate;

a reflection substrate arrange adjacently to the external surface of the one substrate or between the one  
10 substrate and the electrode disposed on the one substrate;  
and

an optical diffusion layer arranged between the front light and the reflection substrate,

wherein the reflection substrate is provided with a  
15 plurality of reflection inclined planes continuously formed on a surface thereof with a stripe geometry in plan view and a surface of each reflection inclined plane is an irregular irregular surface, and

wherein the optical diffusion layer is made of a matrix  
20 of a transparent resin or a transparent adhesive having fine particles dispersed therein.

5. A display according to Claim 4, wherein the optical diffusion layer is arranged between the other substrate and  
25 the front light.

6. A display according to Claim 4, wherein the optical diffusion layer is deposited on the reflection substrate so

as to form a reflector, which is arranged between the one substrate and the electrode formed on the internal surface of the one substrate.

5           7. A display according to Claim 4, wherein the optical diffusion layer is deposited on the reflection substrate so as to form a reflector, which is arranged adjacently to the external surface of the one substrate.

10           8. A display according to Claim 4, wherein a haze of the optical diffusion layer is between 15% and 30%.

            9. A display according to Claim 4, wherein an inclined angle  $\theta$  of the reflection inclined plane with respect to a  
15 surface of the reflection substrate is between  $0^\circ$  and  $30^\circ$ .